

Claims:

sub A1

1. An antenna comprising:

a plurality of bases stacked in a thickness direction;

conductor patterns formed on the plurality of bases, respectively; and

5 a conducting section configured to electrically interconnect the conductor patterns

formed on the plurality of bases;

wherein the conductor patterns form at least one inductance component and at least

one capacitance component.

2. An antenna according to claim 1, wherein:

the at least one capacitance component is formed by, among the conductor patterns formed on the plurality of bases, a first conductor pattern formed on a first base of the plurality of bases and a second conductor pattern formed on a second base of the plurality of bases;

at least one of the first and second conductor patterns forms the inductance

15 component; and

the capacitance component and the inductance component are connected in parallel

by the conducting section.

3. An antenna according to claim 1, wherein:

a first inductance pattern is formed on a first base of the plurality of bases;

20 a first capacitance pattern is formed on a second base of the plurality of bases

adjoining the first base;

a second capacitance pattern, which is opposed to the first capacitance pattern to form said at least one capacitance component, is formed on a third base of the plurality of bases adjoining the second base; and

the first inductance pattern and the at least one capacitance component formed by the
5 first and the second capacitance patterns are connected in parallel by the conducting section.

4. An antenna according to claim 1, further comprising a shielding conductor pattern formed on a surface of an outermost base of the plurality of bases, the shielding conductor pattern being exposed to the outside, and in plan view, the shielding conductor pattern being superimposed on the conductor patterns formed on other bases of the plurality of bases.

5. An antenna according to claim 4, further comprising:
a power feeding port formed to be exposed outside the surface of the outermost base;
and

wherein the power feeding port and the shielding conductor pattern are used as a connecting section to be connected to another electronic component.

15 6. An antenna according to claim 4, further comprising a trimming pattern configured to trim an impedance of the antenna formed on the plurality of bases.

7. An antenna according to claim 1, wherein the conducting sections include through holes formed in the thickness direction of the plurality of bases.

8. An antenna according to claim 5, further comprising a cover protecting the

plurality of bases while the shielding conductor pattern and the power feeding port are exposed to the outside.

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9. An antenna according to claim 2, further comprising a shielding conductor pattern formed on a surface of an outermost base of the plurality of bases, the shielding conductor pattern being exposed to the outside, and in plan view, the shielding conductor pattern being superimposed on the conductor patterns formed on other bases of the plurality of bases.

10. An antenna according to claim 3, further comprising a shielding conductor pattern formed on a surface of an outermost base of the plurality of bases, the shielding conductor pattern being exposed to the outside, and in plan view, the shielding conductor pattern being superimposed on the conductor patterns formed on other bases of the plurality of bases.

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connecting section to be connected to another electronic component.

13. An antenna according to claim 11, further comprising a cover protecting the plurality of bases while the shielding conductor pattern and the power feeding port are exposed to the outside.

5 14. An antenna according to claim 12, further comprising a cover protecting the plurality of bases while the shielding conductor pattern and the power feeding port are exposed to the outside.

sub A2 15. An antenna comprising:
a plurality of base means stacked in a thickness direction;
conductor means for conducting formed on the plurality of base means; and
interconnecting means for electrically interconnecting the conductor means formed
on the plurality of base means;
wherein the conductor means forms at least one inductance means and at least one
capacitance means.

15 16. An antenna according to claim 15, further comprising shielding means for
shielding the plurality of base means.

17. An antenna according to claim 16, further comprising:
power feeding means for connecting to another electronic component.

18. An antenna according to claim 16, further comprising trimming means for trimming an impedance of the antenna formed on the plurality of base means.

19. An antenna according to claim 17, further comprising covering means for protecting the plurality of base means.

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A3